IN THE CLAIMS

Please amend the claims as follows:

Claims 1-27 (Canceled).

Claim 28 (New): An information recording medium configured to have data recorded thereon and data reproduced therefrom by an information recording /reproducing apparatus,

said information recording medium comprising:

a lead-in area located near a center position of rotation of the information recording medium; and

a data area around the lead-in area, said data area being divided into logical sectors, each of said logical sectors having a size of 2,048 bytes, the logical sectors being assigned logical sector serial numbers, and a part of said logical sectors corresponding to logical blocks assigned logical block numbers respectively, wherein:

said data area stores a DVD_RTR directory;

a video file including video data, a main management file, and a back-up management file have been stored under the DVD_RTR directory;

said main management file includes video management information used in managing the video data in the video file;

said main management file includes first program chain information designating a reproduction order of the video data;

said back-up management file has the same contents as the main management file;

the back-up file has second program chain information being the same contents as said first program chain information; and

the first program chain information and the second program chain information are updated when the video data is updated.

Claim 29 (New): An information reproducing method for reproducing information from an information recording medium,

said information recording medium comprising:

a lead-in area located near a center position of rotation of the information recording medium; and

a data area around the lead-in area, said data area being divided into logical sectors, each of said logical sectors having a size of 2,048 bytes, the logical sectors being assigned logical sector serial numbers, and a part of said logical sectors corresponding to logical blocks assigned logical block numbers respectively, wherein:

said data area stores a DVD_RTR directory;

a video file including video data, a main management file, and a back-up management file have been stored under the DVD_RTR directory;

said main management file includes video management information used in managing the video data in the video file;

said main management file includes first program chain information designating a reproduction order of the video data;

said back-up management file has the same contents as the main management file;

the back-up file has second program chain information being the same contents as said first program chain information; and

the first program chain information and the second program chain information are updated when the video data is updated, the reproducing method comprising:

reading the video management information, and

accessing the video file or the audio file and reproducing data included in the video file or audio file.

Claim 30 (New): An information recording method for recording information to an information recording medium,

said information recording medium comprising:

a lead-in area located near a center position of rotation of the information recording medium; and

a data area around the lead-in area, said data area being divided into logical sectors, each of said logical sectors having a size of 2,048 bytes, the logical sectors being assigned logical sector serial numbers, and a part of said logical sectors corresponding to logical blocks assigned logical block numbers respectively, wherein:

said data area stores a DVD_RTR directory;

a video file including video data, a main management file, and a back-up management file have been stored under the DVD_RTR directory;

said main management file includes video management information used in managing the video data in the video file;

said main management file includes first program chain information designating a reproduction order of the video data;

said back-up management file has the same contents as the main management file;

the back-up file has second program chain information being the same contents as said first program chain information; and

the first program chain information and the second program chain information are updated when the video data is updated, the recording method comprising:

recording the video data into the video file; and

recording information of the video management information.

Claim 31 (New): An information reproducing apparatus reproduces information from an information recording medium,

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said information recording medium comprising:

a lead-in area located near a center position of rotation of the information recording medium; and

a data area around the lead-in area, said data area being divided into logical sectors, each of said logical sectors having a size of 2,048 bytes, the logical sectors being assigned logical sector serial numbers, and a part of said logical sectors corresponding to logical blocks assigned logical block numbers respectively, wherein:

said data area stores a DVD_RTR directory;

a video file including video data, a main management file, and a back-up management file have been stored under the DVD_RTR directory;

said main management file includes video management information used in managing the video data in the video file;

said main management file includes first program chain information designating a reproduction order of the video data;

said back-up management file has the same contents as the main management file;

the back-up file has second program chain information being the same contents as said first program chain information; and

the first program chain information and the second program chain information are updated when the video data is updated, the reproducing apparatus comprising:

a reading unit which reads the video management information, and

an accessing unit which accesses the video file or the audio file and to reproduce data include in the video file or the audio file.